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(54) Rotary-Type Encoder with Push Switch

(57) [Abstract]

date:

[Purpose] Relates to a rotary-type encoder with push switch used in a remotely controlled device, etc., such as a video tape recorder, for setting or operating various modes; and aims at providing a small (particularly in the height dimension), lightweight, and inexpensive rotary-type encoder with a push switch.

[Constitution] A contact plate 22 in which each contact is printed and burned on a heat-resistant resin film is bonded to a molded resin substrate to form a fixed contact substrate 21. The elastic sliding contact 23 of a rotary-type encoder part is directly mounted on an operation knob 30. A push switch part, also, is of a system for directly pushing a diaphragm-type, elastic moving contact 35 mounted on the fixed contact substrate 21, by means of an operating button 37. This enables a small and lightweight rotary-type encoder with push switch.

21	Fixed contact substrate	28	Elastic leg with external catch
22	Contact plate made of	29	Elastic leg with internal catch
	heat-resistant resin film	30	Annular knob
23	Arc-shaped fixed	31	Elastic sliding contact
	contact for encoder	33	Torsion coil spring
24	Fixed contact for push switch	35	Diaphragm-type, clastic
	Terminal part for		moving contact
25	external connection	37	Operation button
	V	39	Compression spring

